

**Report Date:** 23 Jul 2013

**Summary Report for Individual Task  
514-42R-3006  
Operate Basic Sound Reinforcement System  
Status: Approved**

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DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

**Condition:** The band is operating within a garrison or deployed environment in order to provide music to instill in our forces the will to fight and win, foster the support of our citizens, and promote our national interests at home and abroad. There is an identified requirement for the operation of a basic sound reinforcement system. All required band personnel and designated sound reinforcement personnel are present and all sound reinforcement equipment has been prepared according to unit standard operating procedure (SOP) and manufacturers manuals. The band company has access to supported unit staff and higher headquarters for administrative, logistical, intelligence, and communications. This task may be performed incorporating other Operational Variables (PMESII-PT) and METT-TC considerations within garrison, off-post, and area of operations. This may include activities, disrupters, terrain and weather, personnel, equipment, time, and legal considerations. These factors address similar considerations expressed in different terms. This task should not be trained in MOPP.

**Standard:** Perform necessary checks to ensure full functionality of sound reinforcement equipment for use during a music performance as appropriate for the ensemble, event and audience.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Safety Level:** Low

**MOPP:** Never

<b>Task Statements</b>
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**Cue:** A basic sound reinforcement system is prepared at a performance location and there is a requirement to operate the system during sound check and performance.

<div><b>DANGER</b></div> <div>None</div>
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<div><b>WARNING</b></div> <div>None</div>
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<div><b>CAUTION</b></div> <div>None</div>
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**Remarks:** Items in the equipment list are not mandatory for all Soldiers. Only the Soldier's assigned instrument or equipment is required. The equipment list is not all inclusive.

All required references and technical manuals will be provided by the local Command.

**Notes:** None

### Performance Steps

1. Check signal path integrity.
  - a. Using playback device, confirm all speakers and monitors are operational and properly connected.
  - b. Check each channel for signal.
    - (1) Check pre-fader level (PFL).
    - (2) Adjust gain to bring signal level to manufacturer recommended settings and SOP guidance.
2. Conduct sound check.
  - a. Direct performer to apply maximum dynamic level to ensure gain is within usable level for each line.
  - b. Apply signal to main fader to nominal position, adjusting channel fader as needed.
  - c. Adjust each channel fader to desired level in accordance with commander's guidance.
  - d. Check signal level in after fader level (AFL) indicator to ensure gain is within usable level and is not clipping.
  - e. Adjust monitor volume to appropriate levels, based on performer's guidance.
3. Monitor sound reinforcement system during mission, ensure all equipment functions properly and adjust levels when necessary.

(Asterisks indicates a leader performance step.)

#### Evaluation Preparation:

Set Up: Ensure that all required materials are available to the Soldier. Evaluate this task during collective training or actual mission performance.

Brief the Soldier: "You have been tasked to operate a basic sound reinforcement system. You must correctly complete all performance measures in this task."

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Checked signal path integrity.			
2. Conducted sound check.			
3. Monitored sound reinforcement system during mission.			

#### Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 220-90	ARMY BANDS	Yes	Yes
	B-B1-C40	MIDI/Music Technology	No	No
	B-CS-42	Set Up and Operate Sound Reinforcement	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK

## ASSESSMENT.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. 1. Live musical performance poses an immediate noise hazard. Hearing protection is required.

2. In the event of a fire, Soldiers will exit the classroom in an orderly manner (last one out closes the door); meet at the location the Primary Instructor has designated; class leaders will hold an accountability formation and report their findings to Primary Instructor.

3. In the event of severe weather or tornado, Soldiers will exit the classroom in an orderly manner; move to the location the Primary Instructor has designated (basement or center of building); class leaders will hold an accountability formation and report their findings to Primary Instructor.

4. It is important for Soldiers to be aware of their surroundings. Hazards such as tripping over wires, falling on musical equipment, lifting or dropping heavy sound reinforcement equipment, working with electricity, etc. need to be mitigated to avoid injury.

5. If the task is performed outdoors, Soldiers should use caution while marching on uneven ground. In the event of severe weather or tornado, the bandmaster may have to make a determination on-site as to extracting sections of, or the entire band, from the mission to mitigate damage to equipment and hazards to Soldiers.

6. When assessing venues, it is important to ensure proper travel safety to and from location, regardless of distance travelled. When assessing the capabilities of a potential venue, it is important to be aware of all safety hazards in the building such as electrical, fire, water, etc.

### Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
514-42R-2003	Prepare Basic Sound Reinforcement System	514 - Music (Individual)	Reviewed

### Supporting Individual Tasks :

Task Number	Title	Proponent	Status
514-42R-2003	Prepare Basic Sound Reinforcement System	514 - Music (Individual)	Reviewed

### Supported Individual Tasks :

Task Number	Title	Proponent	Status
514-42R-4005	Develop Entertainment Concepts for a Music Performance	514 - Music (Individual)	Reviewed
514-42R-4001	Lead a Music Performance Team in a Music Mission	514 - Music (Individual)	Reviewed
514-42R-3008	Implement Entertainment Concepts for a Music Mission	514 - Music (Individual)	Approved

### Supported Collective Tasks :

Task Number	Title	Proponent	Status
02-2-2407	Conduct Full Band Support Operations	02 - Music (Collective)	Approved
02-2-2406	Conduct Music Performance Team Operations	02 - Music (Collective)	Approved
02-2-2409	Conduct Organizational Maintenance of Musical Equipment	02 - Music (Collective)	Approved
02-2-2408	Conduct Band Rear Detachment Operations	02 - Music (Collective)	Approved